

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings of claims in the application:

1 to 39 (**Canceled**)

40.    **(New)** An ultrasonic blade comprising:  
        a blade body defined about a body axis;  
        a first surface having a first curve about a first surface axis;  
        a second surface having a second curve about a second surface axis;  
        a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion.
41.    **(New)** The ultrasonic blade according to claim 40, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.
42.    **(New)** The ultrasonic blade according to claim 40, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.
43.    **(New)** The ultrasonic blade according to claim 40, wherein the curved portion is defined by a radius of about 0.04 inches.
44.    **(New)** The ultrasonic blade according to claim 40, wherein the blade body is comprised of a metal.
45.    **(New)** The ultrasonic blade according to claim 44, wherein the blade body is comprised of a high speed steel.

46. (New) The ultrasonic blade according to claim 44, wherein the blade body is comprised of a carbide steel.

47. (New) The ultrasonic blade according to claim 40, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches.

48. (New) The ultrasonic blade according to claim 40, wherein the second surface is curved about the second surface axis with a radius of about 0.171 inches.

49. (New) An ultrasonic blade for cutting a composite prepreg, the ultrasonic blade comprising:

- a blade body defined about a body axis;
- a first surface having a first curve about a first surface axis;
- a second surface having a second curve about a second surface axis;
- a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion, the curved portion crosses the body axis at a relatively distal point of the blade body, wherein the ultrasonic blade is configured to receive ultrasonic vibrational energy to cut the composite prepreg.

50. (New) The ultrasonic blade according to claim 49, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.

51. (New) The ultrasonic blade according to claim 49, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.

52. (New) The ultrasonic blade according to claim 49, wherein the body axis, first surface axis and second surface axis substantially converge at a point.

53. (New) The ultrasonic blade according to claim 49, wherein the curved portion is defined by a radius of about 0.04 inches.
54. (New) The ultrasonic blade according to claim 49, wherein the blade body is comprised of a metal.
55. (New) The ultrasonic blade according to claim 54, wherein the blade body is comprised of a high speed steel.
56. (New) The ultrasonic blade according to claim 54, wherein the blade body is comprised of a carbide steel.
57. (New) The ultrasonic blade according to claim 49, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches and the second surface is curved about the second surface axis with a radius of about 0.171 inches.
58. (New) An ultrasonic blade for cutting a titanium graphite composite, the ultrasonic blade comprising:  
a blade body defined about a body axis;  
a first surface having a first curve about a first surface axis;  
a second surface having a second curve about a second surface axis;  
a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion, the curved portion crosses the body axis at a relatively distal point of the blade body, wherein the ultrasonic blade is configured to receive ultrasonic vibrational energy to cut the titanium graphite composite.
59. (New) The ultrasonic blade according to claim 48, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.

60. **(New)** The ultrasonic blade according to claim 58, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.

61. **(New)** The ultrasonic blade according to claim 58, wherein the body axis, first surface axis and second surface axis substantially converge at a point.

62. **(New)** The ultrasonic blade according to claim 58, wherein the curved portion is defined by a radius of about 0.04 inches.

63. **(New)** The ultrasonic blade according to claim 58, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches and the second surface is curved about the second surface axis with a radius of about 0.171 inches.